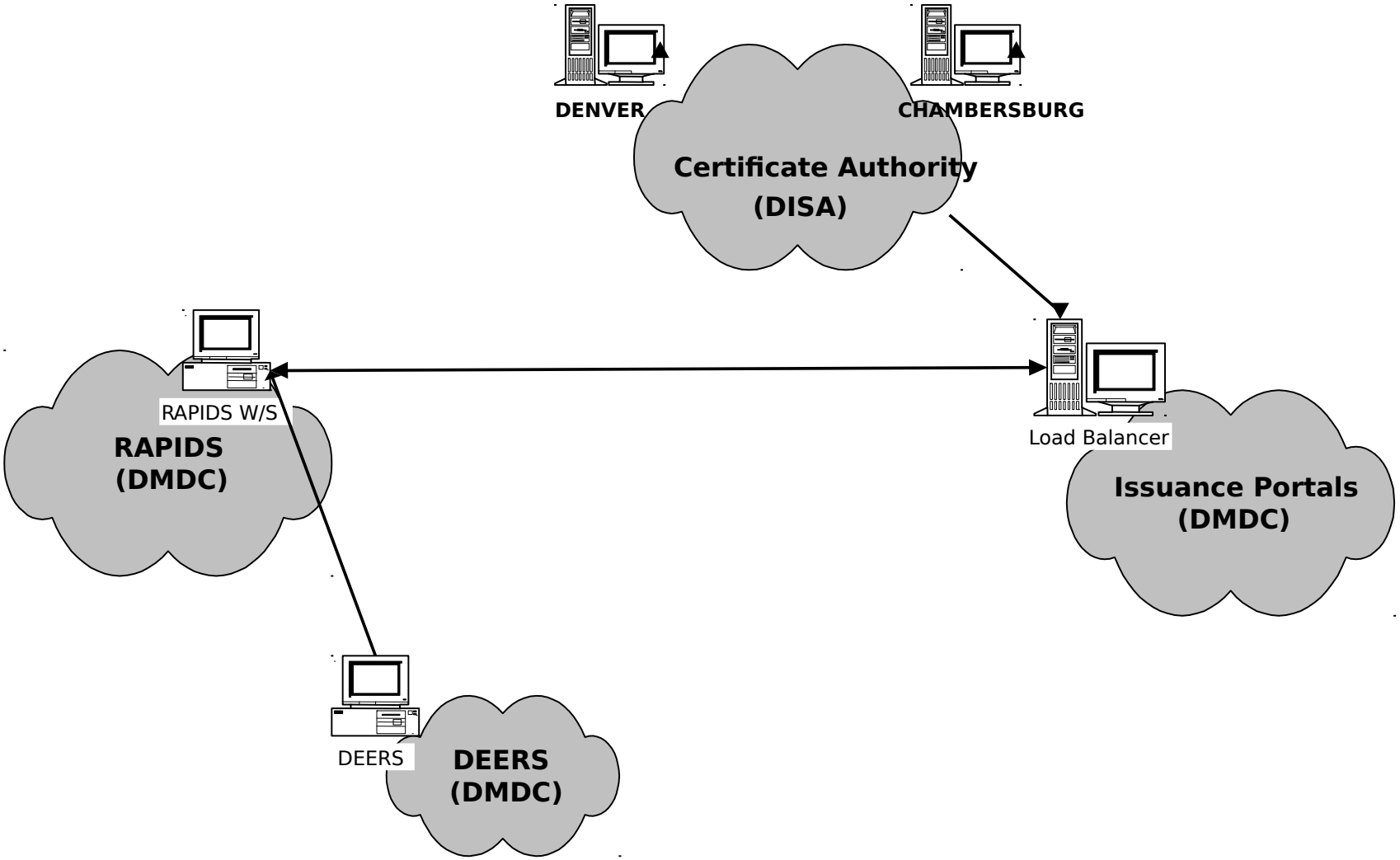
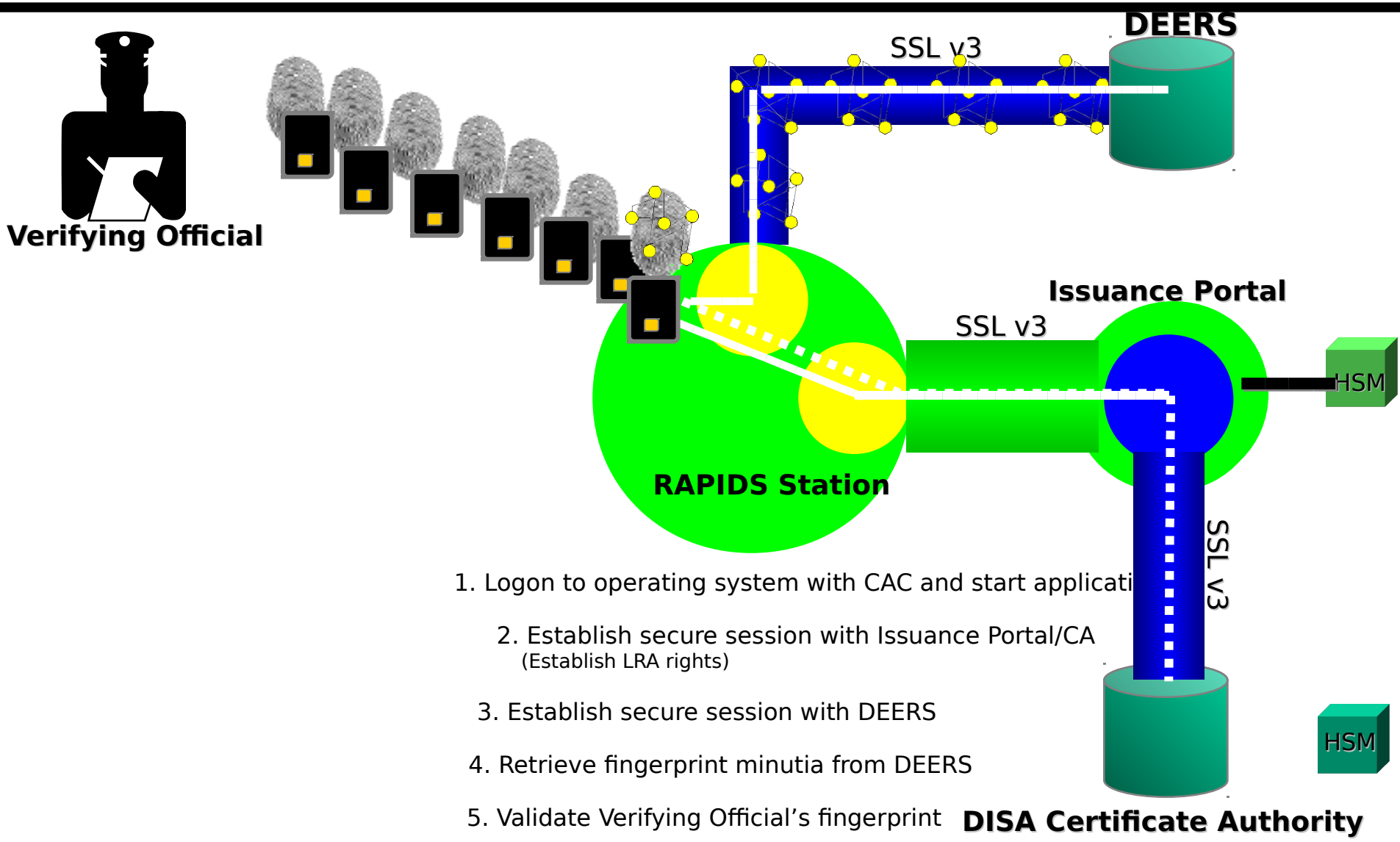
CAC Overview & Issuance

- CACs will be issued from over 900 issuance sites world-wide from RAPIDS terminals with an average CAC issuance time under 15 minutes
- Issuance process requires minimal data entry from terminal operator
- Architecture of end-to-end CAC system involves a myriad of systems and networks along with Implementation scheduling/planning
  - Current and new RAPIDS locations had to be configured with new software and hardware
  - Helpdesk
  - Field Service Support and Training
  - Engineering Support

CAC System Architecture

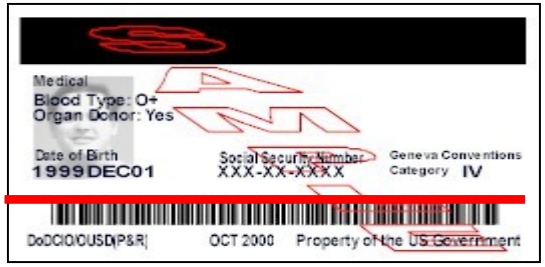


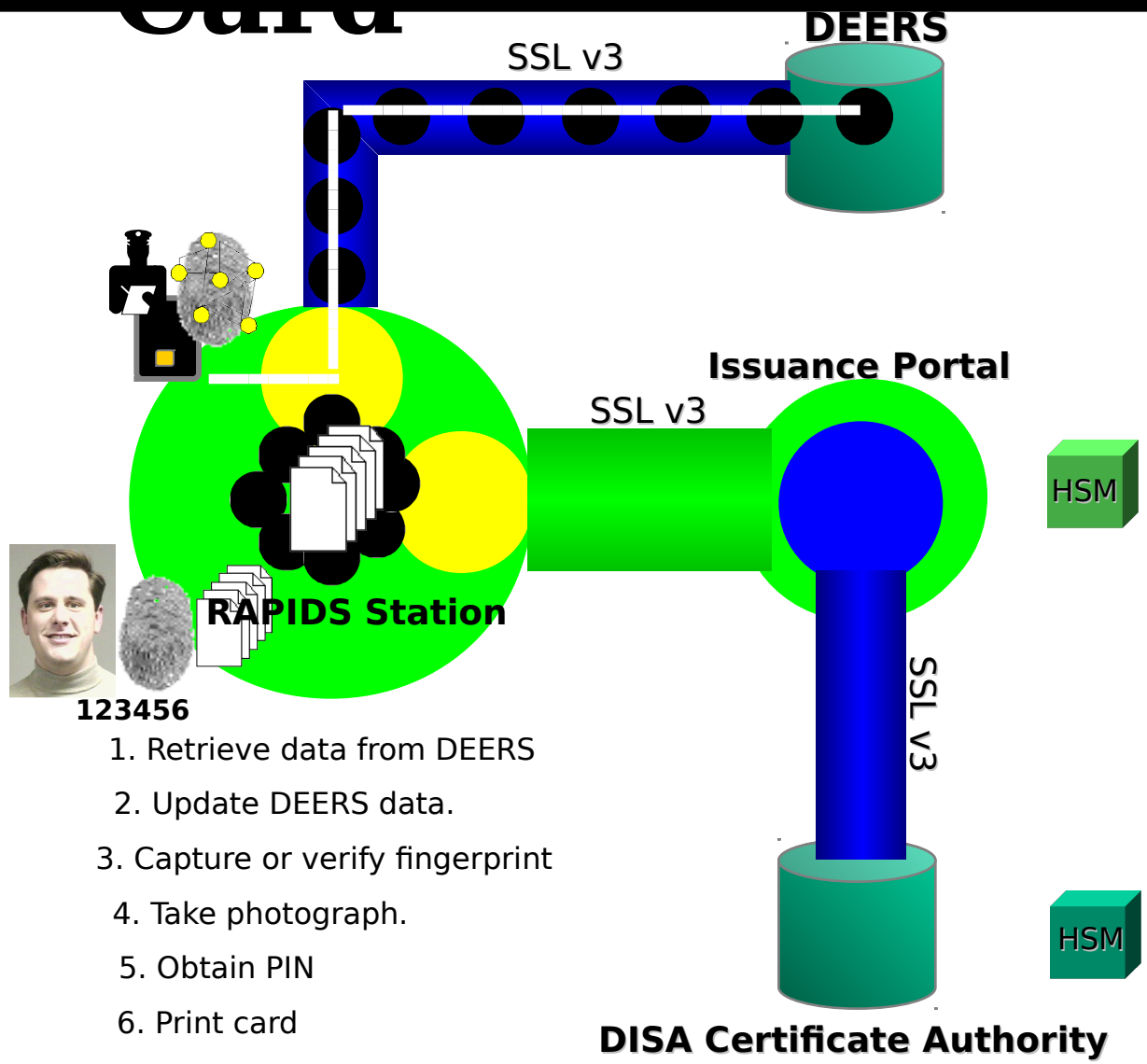
Authenticate User



1. Logon to operating system with CAC and start applicati
2. Establish secure session with Issuance Portal/CA
   (Establish LRA rights)
3. Establish secure session with DEERS
4. Retrieve fingerprint minutia from DEERS
5. Validate Verifying Official's fingerprint

Capture Data & Print Card

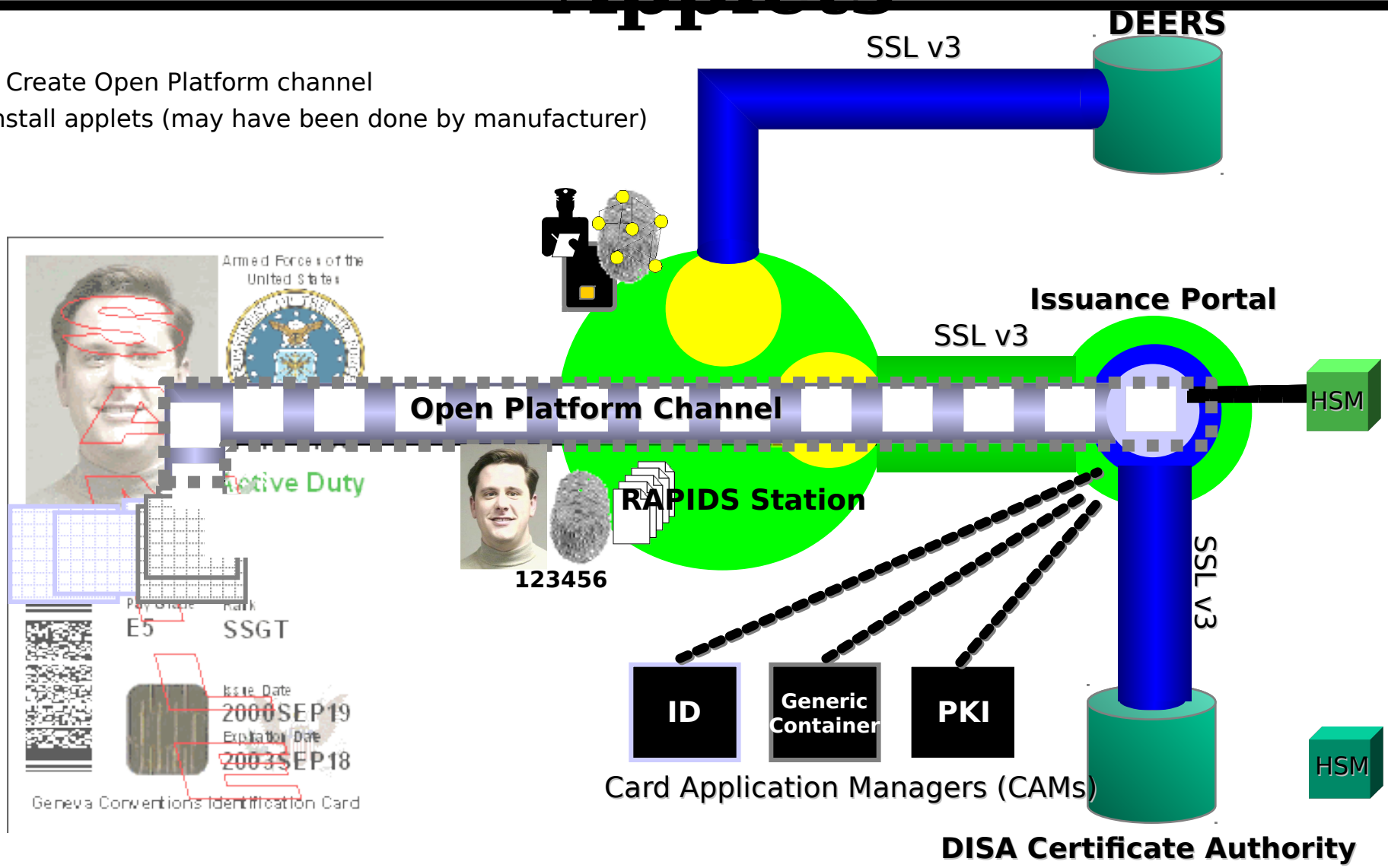




1. Retrieve data from DEERS
2. Update DEERS data.
3. Capture or verify fingerprint
4. Take photograph.
5. Obtain PIN
6. Print card
7. Verify bar code(s)

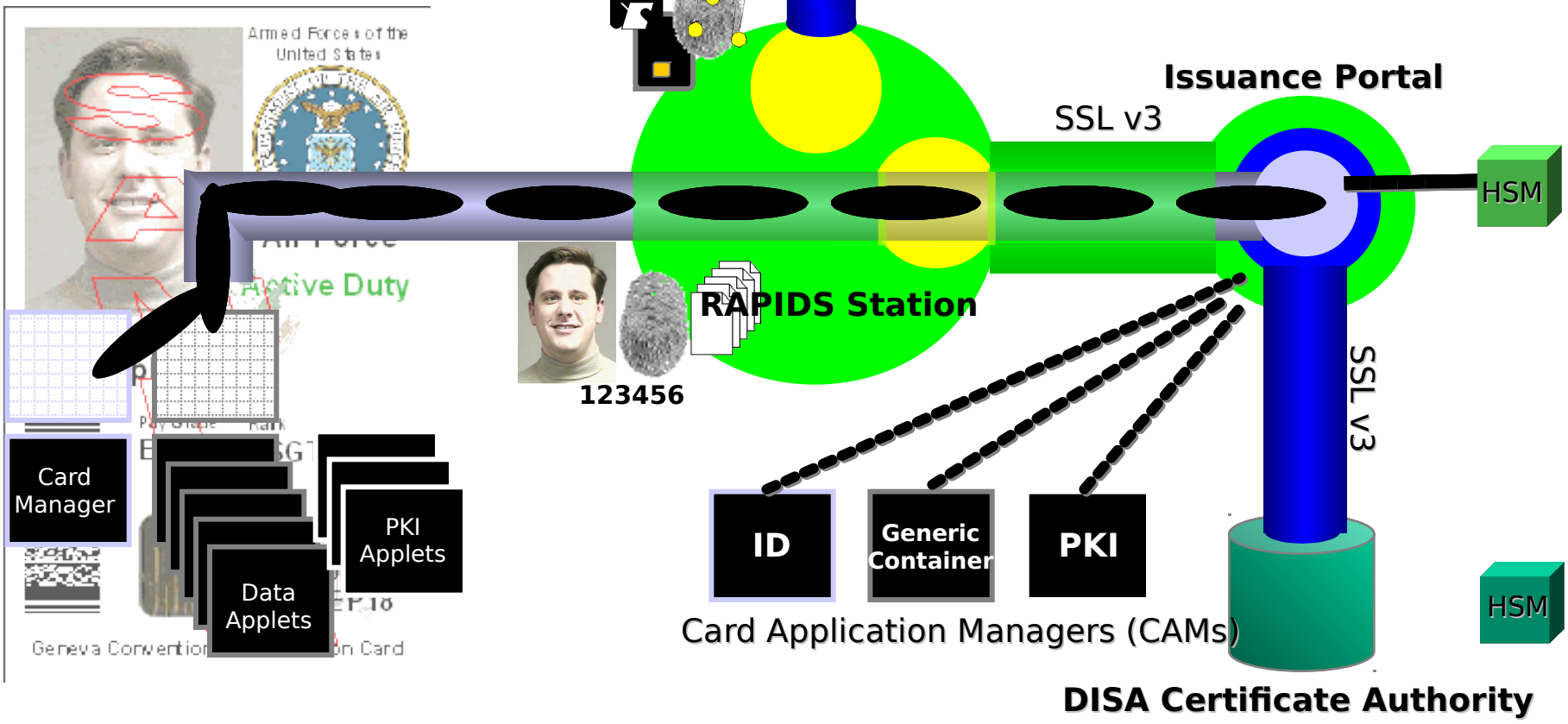
Create Channel & Install Applets

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)



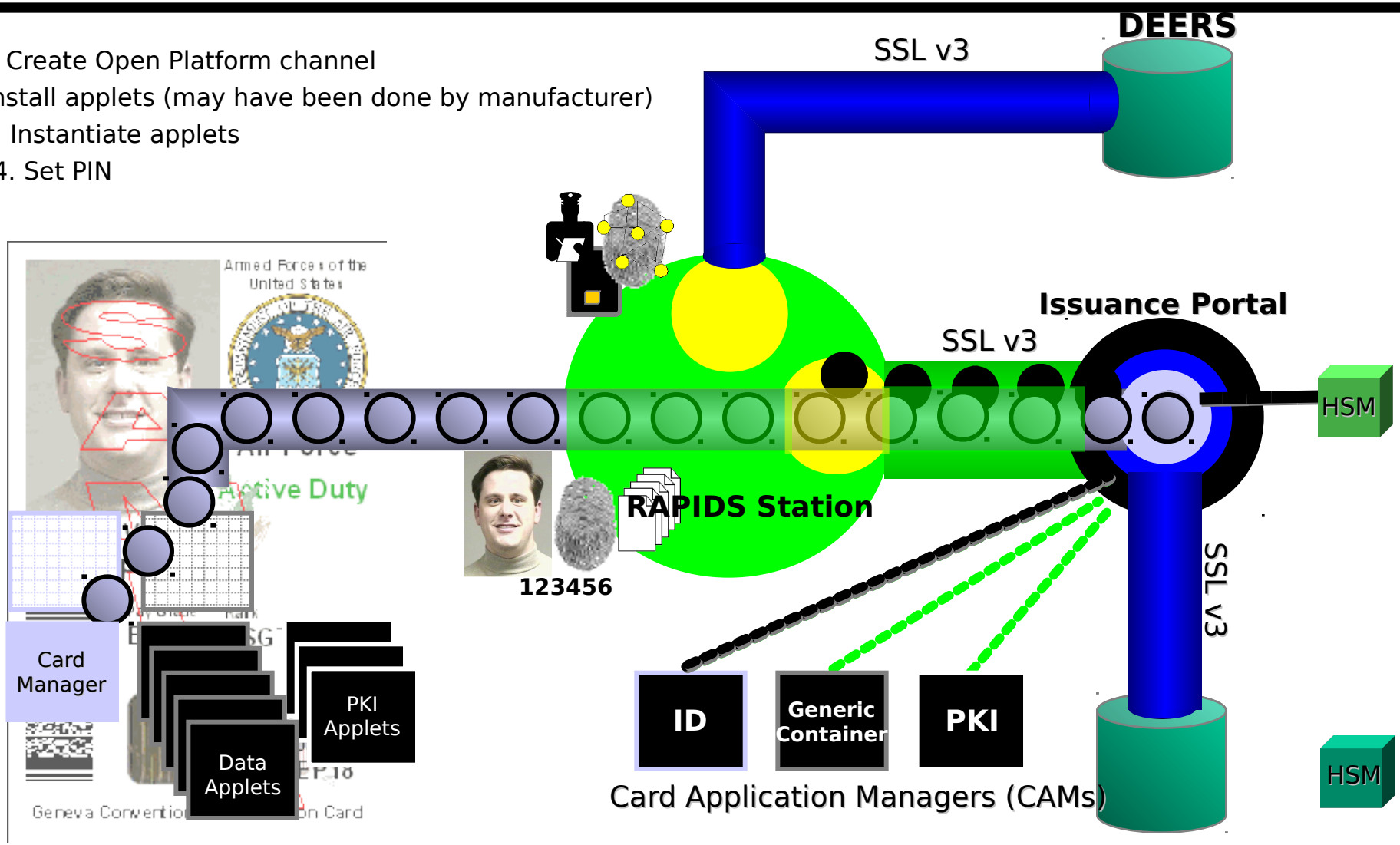
Instantiate Applets

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)
3. Instantiate applets



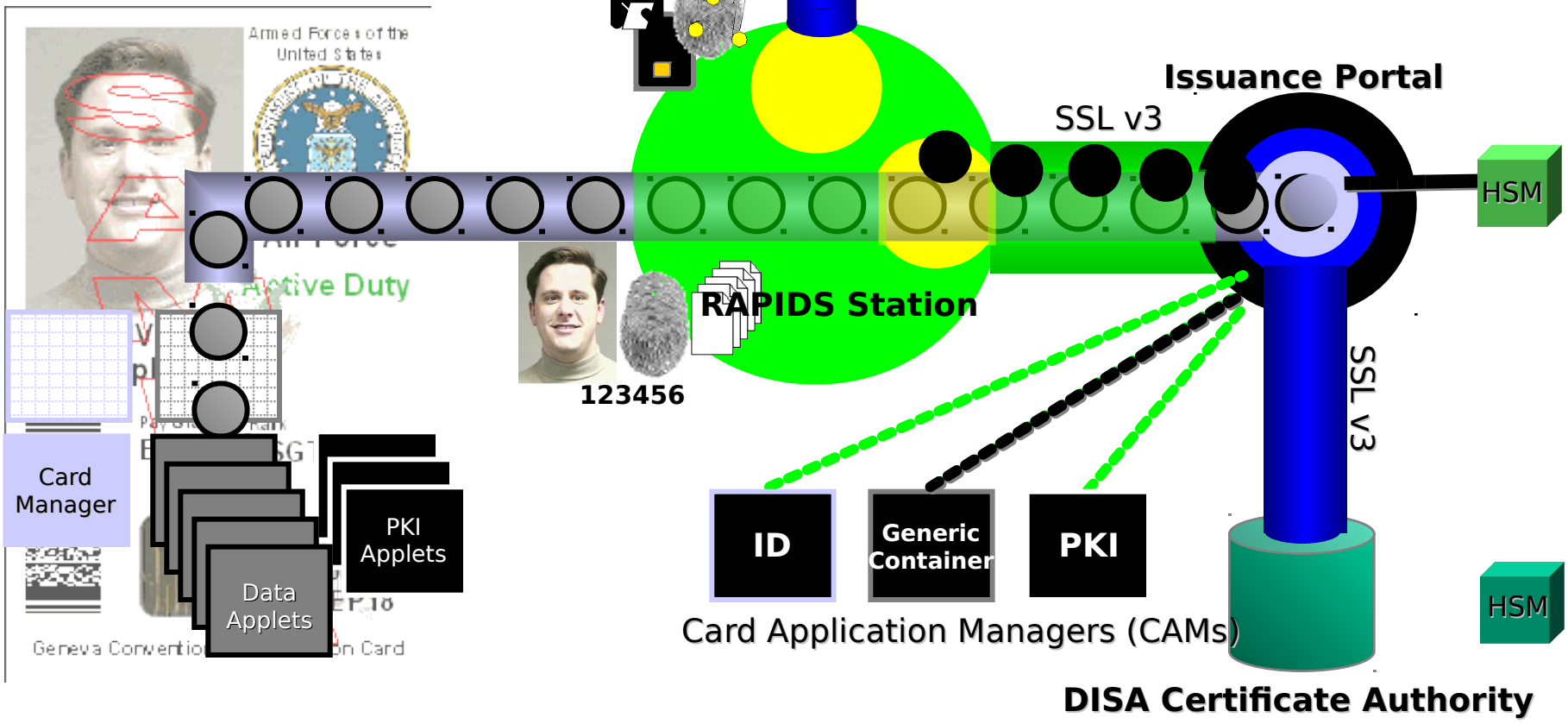
Set PIN

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)
3. Instantiate applets
4. Set PIN



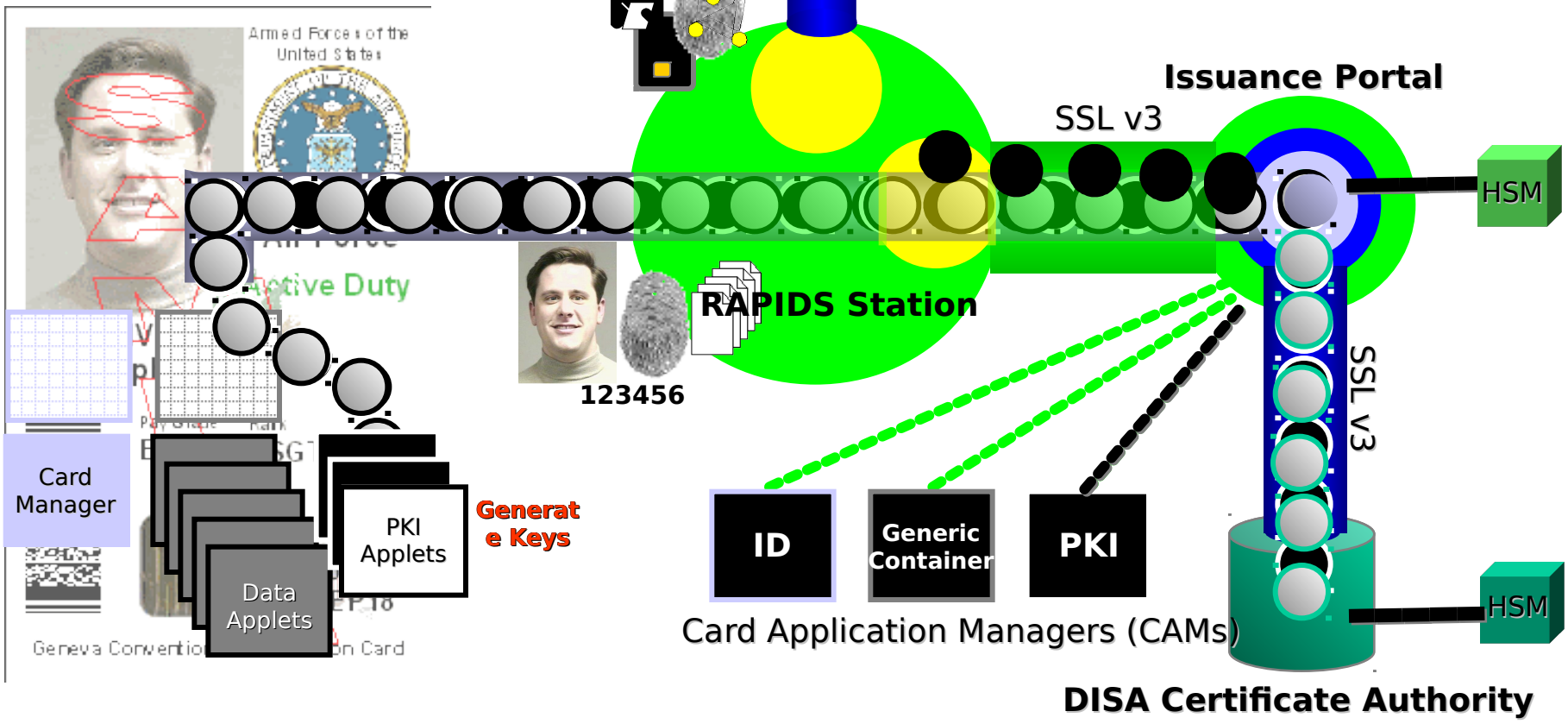
Set Generic Container Applet Data

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)
3. Instantiate applets
4. Set PIN
5. Populate data applets



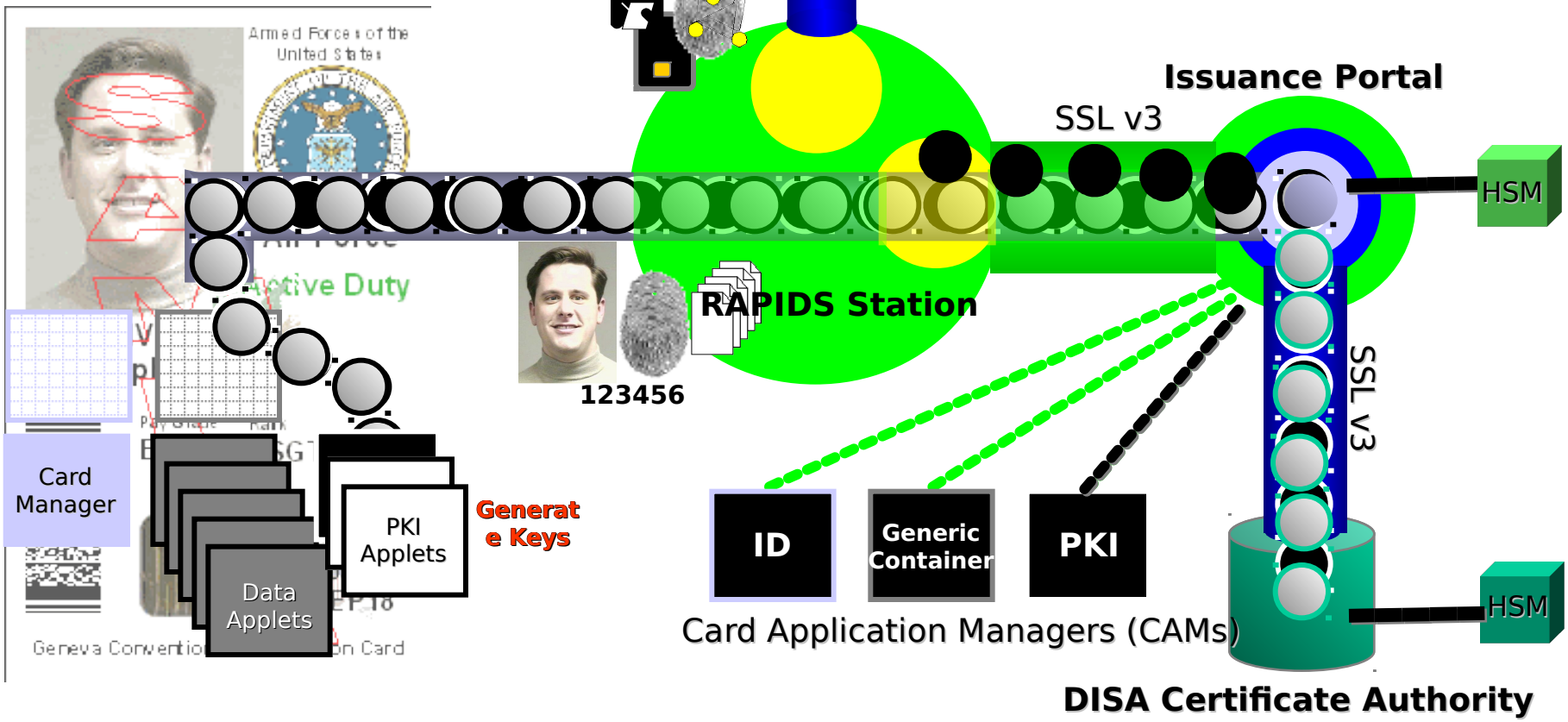
ID Certificate

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)
3. Instantiate applets
4. Set PIN
5. Populate data applets
6. Request PKI certificates



Email Signing Certificate

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)
3. Instantiate applets
4. Set PIN
5. Populate data applets
6. Request PKI certificates



Email Encryption Certificate

1. Create Open Platform channel
2. Install applets (may have been done by manufacturer)
3. Instantiate applets
4. Set PIN
5. Populate data applets
6. Request PKI certificates